

What is claimed is:

1. An earth connection structure comprising:
a substrate, on whose surface earth is formed;
an earth connecting member which is connected to said earth; and
a compensating member which compensates for an area of said earth and is joined to
5 said substrate such that said earth connecting member is sandwiched between said
compensating member and said substrate, and

wherein said earth connecting member has elasticity, contacts said compensating member by being sandwiched between said substrate and said compensating member, and electrically connects said earth with said compensating member in a low impedance state.

2. The earth connection structure according to claim 1, wherein said earth connecting member comprises:

a base which is connected to said earth; and
a spacer which is arranged on said base and has elasticity.

3. The earth connection structure according to claim 2, wherein:

said substrate has at least one through-hole for fixing said earth connecting member on said substrate; and

- 5 said base includes at least one lead, which is inserted into the at least one through-hole and connected to said earth.

4. The earth connection structure according to claim 3, wherein

said at least one lead has elasticity and a protruding portion for fixing said earth connecting member onto said substrate.

5. The earth connection structure according to claim 2, wherein

said base has at least one lead having a margin, left for being connected to said earth and formed in parallel with surface of said earth.

6. The earth connection structure according to claim 2, wherein

said spacer includes a plate spring.

7. The earth connection structure according to claim 2, wherein said spacer includes a coil spring.

8. An earth connecting member, which is arranged between a substrate and a compensating member which compensates for an area of earth formed on said substrate, and which electrically connects said earth and said compensating member, and said earth connecting member comprising:

- 5 a base which is connected to said earth; and
a spacer which is arranged on said base and has elasticity, and
wherein said spacer is in contact with said compensating member, in a state where said earth connecting member is sandwiched between said substrate and said compensating member, and electrically connects said earth and said compensating
10 member in a low impedance state.

9. The earth connecting member according to claim 8, wherein:
said substrate has at least one through-hole for fixing said earth connecting member onto said substrate;

- said base has at least one lead to be inserted into the at least one through-hole; and
5 said at least one lead has elasticity and a protruding portion for fixing said earth connecting member onto said substrate.

10. The earth connecting member according to claim 8, wherein
said base has at least one lead having a margin, left for being connected to said earth and being in parallel with surface of said earth.

11. The earth connecting member according to claim 8, wherein
said spacer includes a plate spring.

12. The earth connecting member according to claim 8, wherein
said spacer includes a coil spring.

13. An earth connection method comprising:
connecting an earth connecting member having elasticity and conductivity, to earth

formed on a substrate; and

arranging a compensating member for compensating for an area of the earth, on said
5 substrate such that said earth connecting member is sandwiched between the
compensating member and said substrate, thereby electrically connecting said earth and
said compensating member via said earth connecting member in a low impedance state.

2025.01.15 10:43:09